SERVICE MANUAL

merrychef

Mealstream

SERVICE MANUAL

For all Mealstream models manufactured from January 2001

Part No. 32Z3387 Issue No.2

CAUTION MICROWAVE EMISSIONS

DO NOT BECOME EXPOSED TO EMISSIONS FROM THE MICROWAVE GENERATOR OR PARTS CONDUCTING MICROWAVE ENERGY

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SAFETY CODE

This manual is designed to assist engineers who have been on a recognised product familiarisation and training course run by Merrychef Limited. It has been prepared to offer technical guidance for the Merrychef Mealstream range of Combination Microwave Ovens.

Please remember that it is wiser **not** to attempt a service task if you are unsure of being able to complete it competently, quickly, and above all **safely**.

To avoid injury to yourself, and to protect the appliance from possible damage, please follow this Safety Code when servicing these ovens.

Before attempting to repair the oven, check it for microwave leakage.

Check that the oven is not emitting microwaves, even when supposedly not in operation.

Check that the oven is not operating continuously, whether the display indicates cooking or not.

Always discharge the HT capacitors before working on the oven using a suitably insulated 10 MΩ Resistor

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Before removing the rear cover from the oven, do all of the following:

- Switch off the mains supply and remove the plug from the wall socket.

or

- If the oven is hard wired, ensure that the power is turned off at the isolator switch.

Note:

The On/Off switch on the oven is **not** adequate protection against electric shock, as it does not isolate all of the internal wiring from the mains.

Upon completion of a service on a Mealstream oven, or before reconnecting the appliance to the mains supply for testing, check all of the following points:

- All internal electrical connections are correct (see wiring diagram Pages 23-24).
- All wiring insulation is correct and is not touching a sharp edge.
- All Earth connections are electrically and mechanically secure.
- All door safety interlocks are secure and mechanically sound.
- The door operation is smooth, and the arms run freely in the slots.
- The door activates all three of the door interlock switches **in the correct order**.
- All fuse-holder safety covers are correctly fitted.
- The temperature sensor is correctly connected to the Power PCB.

Before finishing the service call, recheck the following points:

- All of the electronics are functioning correctly, and all of the touch pads are working.
- The power output of the oven is correct.
- Microwave emission is below permissible limit - 5 mW/cm² (see BS EN 60335-2-90:1998).
- Oven has correct 50mm air gap all round and 50mm above.
  Air flow should not be restricted.

PRODUCT SPECIFICATIONS

Model Number: **+ Voltage + Frequency + Current + Controls**

Model prefix	Voltage	Frequency	Control Type
CTM3 CTM5.5	22 = 220-230V a.c. 24 = 230-240V a.c	50 = 50 Hz 60 = 60 Hz	5 = Series 5 controls CD2 = Manual controls

Power Requirements		230-240V ac 50 Hz 13.0A Single Phase 2 Wire + Earth. 220-230V ac 50 Hz 14.2A Single Phase 2 Wire + Earth.
Power Output	Microwave 100% Convection Combination	1425W (IEC 705) 2500W 1425W + 2500W
External Dimensions	Height Width Depth	640mm (Plus 50 mm minimum clearance above) 710mm (Plus 50 mm minimum clearance each side) 630mm (Plus 50 mm clearance behind)
Internal Dimensions	Height Width Depth Capacity	260 mm 490 mm 360 mm 45.86 litres (1.62 ft³)
Weight	Nett Gross packed	90 kg 106 kg
Construction	Cavity Casework	304 Stainless Steel
Settings	Microwave Temperature Timer	100%,75%,50%,25%, Convection only Off, 150°, 175°, 200°, 225°, 250°C Up to 30 minutes Up to 3 cooking stages of up to 30 minutes each Programmed (Series 5)

INSTALLATION INSTRUCTIONS

Installation Instructions for Mealstream Combination Ovens

Power Supply Requirements

The **Mealstream Series** should be connected to a suitable electricity supply, which can cope with the switching-on surge that occurs with certain types of catering equipment, such as microwaves. Because of this requirement, we strongly recommend that a separate, suitably rated supply is installed for the oven.

The supply for the oven should be fitted with a **Type "C"** circuit breaker, rated at:

30 Amp for Mealstream (all models)

If the oven is hard-wired to the supply, a double-pole isolator switch with a contact gap of at least 3 mm should be fitted.

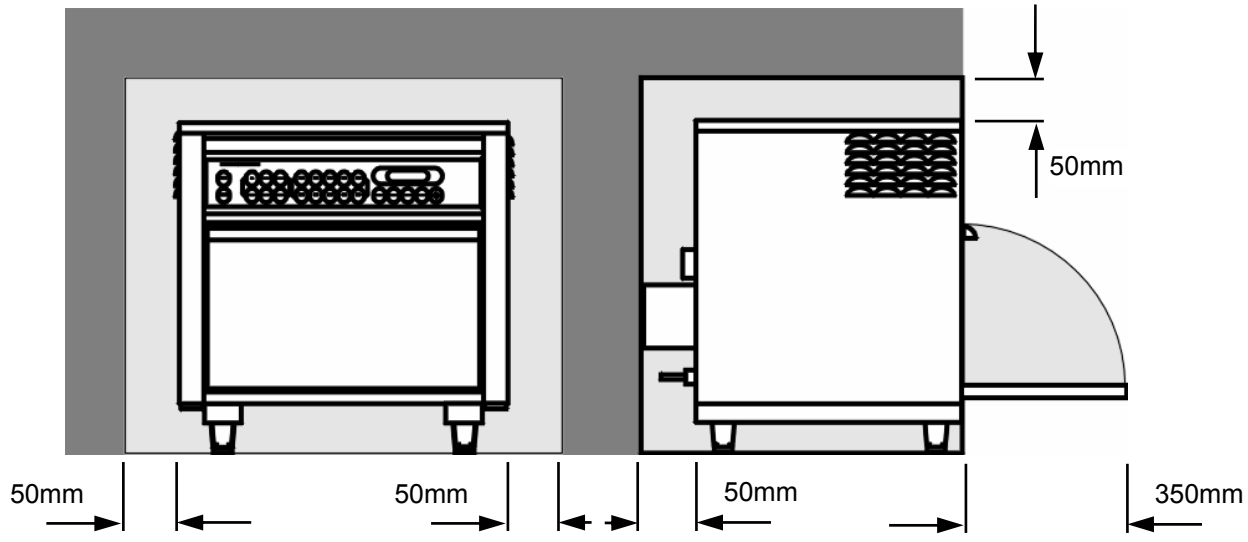
Positioning the Oven

In order to maintain adequate ventilation for air intake and exhaust, and to allow access for cleaning filters, you must allow a minimum of 50 mm clearance at the sides and rear of the oven, and at least 50 mm above. Air intake temperature should not exceed 35°C - excessive temperature will lead to reduced operating duty cycle or premature ageing of internal components.
Failure to comply with these conditions will invalidate the warranty.

NEVER Install an oven above fryers, grills, griddles or any other major heat source.

NEVER Stack machines on top of each other - always use a double stand.

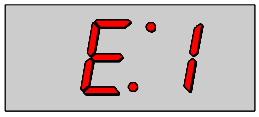
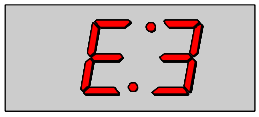
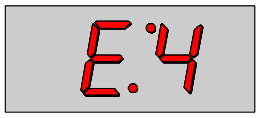
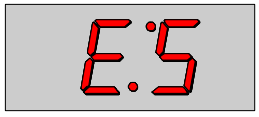
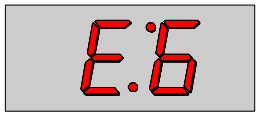
ALWAYS Place containers in the cavity carefully - impact damage may chip the vitreous enamel coating on the runners and baffle plate.



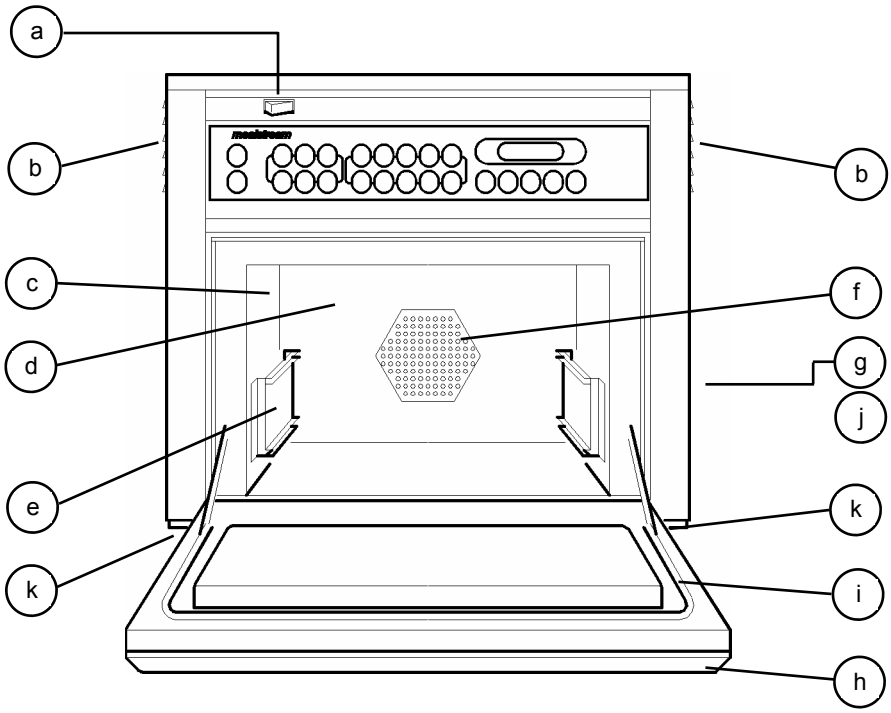
Error Codes and Diagnostics

The Mealstream Series 5 will identify some of the most common problems by flashing an error message code in the time display window.

These are the error messages, and suggestions for repairing them.

	1 2 3	Door not fully shut. Possible electrical fault Magnetron overheating.	Close door fully. Door switch inoperative. Check air filters. Check location, air inlet temperature and air filters.
	1 2 3	No time has been set. Invalid time has been set. Invalid program has been set.	Set a time. Set a valid time. Use call-back to check program.
	1 2	Oven not heating up. Possible Heater fault.	Check heater fuse. Confirm operation of heater circuit.
	1	Oven Cavity overheating.	Confirm heater relay is operating. Check sensor
	1	Oven is not at correct temperature to start program.	Remove food. Allow oven to reach correct temperature.
		Oven control area is overheating.	Check air filters. Check axial fan. Check installation for hot air intake.
		Service indicator	Indicates that the oven has overheated previously

Main Features: Mealstream Ovens



a On/Off SWITCH

This is used to turn the oven On or Off.

IT DOES NOT ISOLATE INTERNAL WIRING FROM THE MAINS SUPPLY.

b STEAM OUTLET

Allows steam and excess pressure to escape from the oven cavity. It must be kept clear.

c OVEN CAVITY

The oven cavity is mainly constructed from stainless steel panels. It must be kept clean.

d BAFFLE PLATE

Forms the inside rear of the oven and covers the hot air circulation fan. This must be cleaned on a regular basis, and kept free of debris.

e RUNNERS

These are mounted on each side of the oven cavity to support the rectangular racks or oven trays and are for use in **Convection mode only**.

f HOT AIR FAN

Situated behind the baffle plate, and circulates the hot air through the baffle plate, over the heating element, and around the edge of the baffle plate back into the cavity.

g RATING PLATE

The rating plate is situated on the rear of the oven, and states the Model, Serial Number, Electrical Ratings and Manufacturers telephone number.

h DOOR

The door consists of a thermally insulated inner section, and an additional air gap provided by a twin skinned door front to lower the surface temperature.

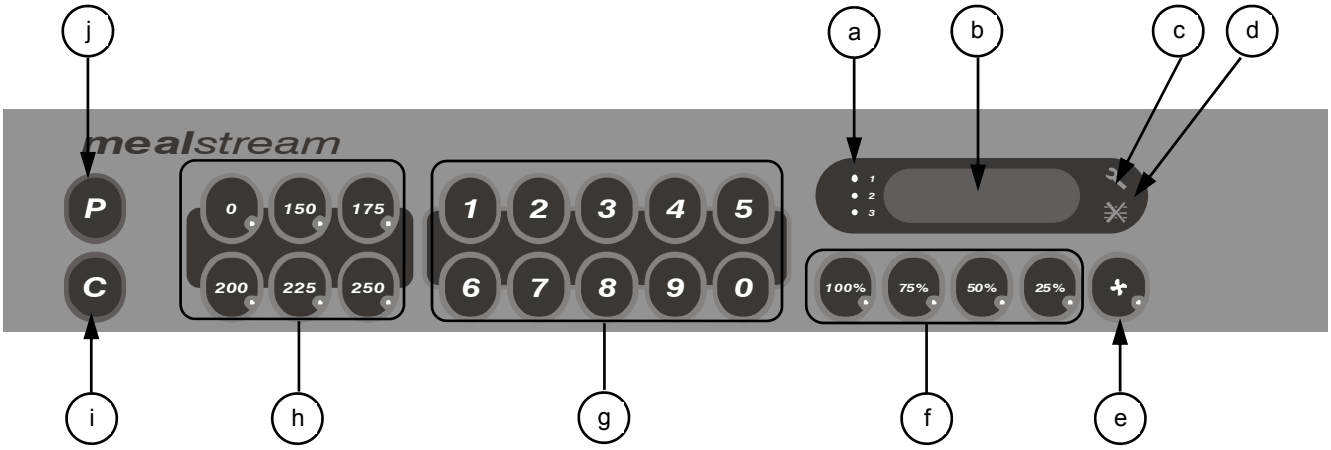
i DOOR SEAL

j MAINS LEAD

k AIR FILTER

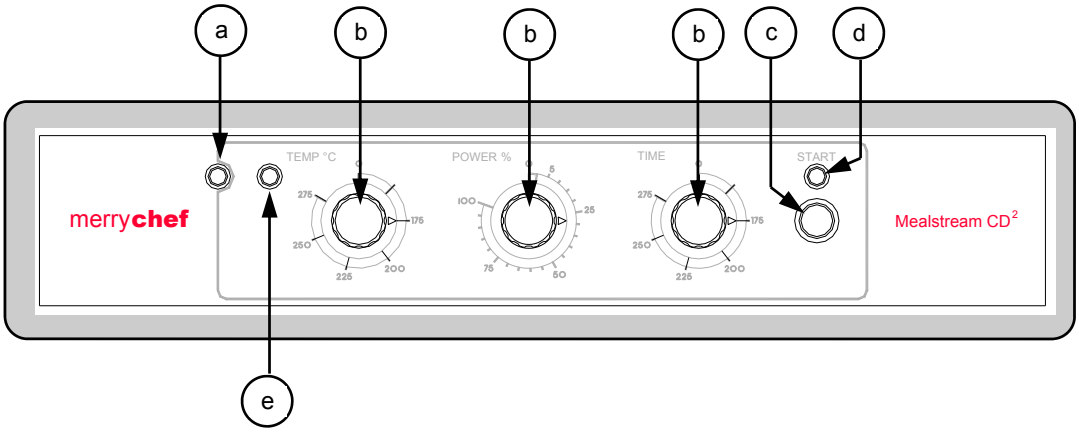
Main intake for cooling air for internal components. Must be clear of obstructions.

Electronic controls: Mealstream Series 5



a	Stage LED's
b	Program & Time Display
c	Service Indicator
d	Air Filter Block Indicator
e	Convection Pad
f	Power Pads
g	Time / Precept Pads
h	Temperature Set Pads
i	Cancel / Callback Pad
j	Program Pad

Manual controls: Mealstream CD2



a	Power Neon (Amber)
b	Control Knob
c	Start Push button
d	Cook cycle Neon (Red)
e	Heater Neon (Amber)

Procedure A - Power Output Test in accordance with BS EN 60335-2-25:1996 Annex AA

This test is given in the BSI test standard for microwave ovens. It is reproduced below - not so that you can follow it, but to show you why it is impractical in normal conditions. A simplified procedure, which gives a good approximation to the BSI power output, is given in Procedure B which follows.

Note: This test can only be carried out on a **COLD** oven. If the oven has been operating, even for only a few seconds, the power given will be lower than the oven rating. This test must also be carried out at a stable voltage - the voltage in most kitchens varies considerably even within the period of the test. If the oven has been operating, go to **Procedure B.**

You will need:

A thermometer capable of reading to ±0.1°C.
A cylindrical borosilicate glass container, 190 mm diameter, with a wall thickness of 3 mm or less.
A calculator.
A set of scales capable of reading 1 kg to an accuracy of ± 1 g.
A glass or plastic stirrer.
A jug capable of holding over 1 litre of water.
Drinkable water which is at a temperature of 10°C ± 1°C.
A "Variac" or similar variable transformer capable of supplying the oven to ensure a stable voltage.

WARNING: *The Borosilicate Glass container has thin walls and is therefore fragile - take care not to break it during use.*

Method

A cylindrical container of borosilicate glass is used for the test. It has a maximum thickness of 3 mm, an external diameter of approximately 190 mm and a height of approximately 90 mm. The mass of the container is determined.

At the start of the test, the oven and the empty container are at ambient temperature. Potable water having an initial temperature of 10°C ± 1°C is used for the test. The temperature of the water is measured immediately before it is poured into the container.

A quantity of 1000 g ± 5 g of water is added to the container and its actual mass obtained. The container is then immediately placed in the middle of the oven shelf which is in its lowest normal position. The appliance is supplied at rated voltage and operated at the maximum power setting. The time for the water temperature to attain 20°C ± 2°C is measured. The oven is then switched off and the final water temperature is measured within 60s.

NOTES:

1 The water is stirred before its temperature is measured.
2 Stirring and measuring devices are to have a low heat capacity.

The microwave power output is calculated from the formula:

$$P = \frac{4.187\, M_W\, (T_2-T_1) + 0.55\, M_C\, (T_2-T_0)}{t}$$

where

P is the microwave power output, in watts;
M_W is the mass of the water, in grams;
M_C is the mass of the container, in grams;
T_0 is the ambient temperature, in °C;
T_1 is the initial temperature of the water, in °C;
T_2 is the final temperature of the water, in °C;
t is the heating time in seconds, excluding the magnetron filament heat-up time.

Procedure B - Simplified Power Test

You will need:

A thermometer capable of reading to ±0.1°C.
A Polypropylene tray approximately 200 mm x 200 mm.
A measuring jug.
A calculator.
Water which is at a temperature of 10°C ± 2°C.

1 Measure 1 litre of cold water into the tray using the measuring jug.
2 Measure the water temperature, and record it as T[s].
3 Place the tray on the turntable in the oven and close the door.
4 Turn the oven on.
5 Set the timer to 1:02.
6 Press the “100%” pad.
7 When the oven bleeps, open the door and remove the tray.
8 Stir the water thoroughly, and measure its temperature. Record this as T[e].

Calculation:

1 T[r] = T[s] - T[e].
2 Power = 70 x T[r]. Power is in Watts.

The power given by the above test should be within ±10% of the rated power.

Procedure C - Power Transformer Test

You will need:

A Digital Multi-meter (D.M.M.)
A Megger or similar resistance meter using 500V d.c.

WARNING: *High voltages and large currents are present at the secondary winding and filament winding of the Power Transformer. It is very dangerous to work near this part when the oven is on. NEVER make any voltage measurements at the High Voltage circuits, including the magnetron filament.*

WARNING: *Even when the oven is not cooking, the Power Transformer has High Voltages present because of the Soft Start circuit. Isolate the oven before testing.*

1 Isolate the oven from the mains supply.
2 Ensure that the High Voltage Capacitor is discharged before commencing work.
3 Remove all connections from the Power Transformer.
4 Using a D.M.M., check the resistance of the windings. Results should be as follows:

Mains winding (between tags)	Approximately 1.1 Ω
High Voltage winding (between tag & chassis)	Approximately 60 Ω
Filament winding (between terminals)	Less than 1 Ω

5 Using a Megger, test the insulation resistance between:

Primary winding and chassis	Pass if over 10 MΩ
Filament winding and chassis	Pass if over 10 MΩ

One end of the High Voltage winding is connected to the chassis, so this is not tested.

Procedure D - High Voltage Capacitor Test

You will need:

A Digital Multi-meter (D.M.M.)
A Megger or similar resistance meter using 500V d.c.

WARNING: *High voltages and large currents are present at the High Voltage Capacitor. It is very dangerous to work near this part when the oven is on. NEVER make any voltage measurements at the High Voltage circuits, including the magnetron filament .*

WARNING: *Even when the oven is not cooking, the High Voltage Capacitor has High Voltages present because of the Soft Start circuit. Isolate the oven before testing.*

1 Isolate the oven from the mains supply.
2 Ensure that the High Voltage Capacitor is discharged before commencing work.
3 Remove all connections from the High Voltage Capacitor.
4 Using a D.M.M., check for continuity between the terminals & compare results with table.

Between Terminals	Pass if approximately 10 MΩ
Between Terminals and Case	Pass if open circuit

5 Using a Megger, test the insulation resistance between the terminals and the case.

Between Terminals and Case	Pass if over 100 MΩ

Procedure E - High Voltage Rectifier Test

You will need:

A Megger or similar resistance meter using 500V d.c.

WARNING: *High voltages and large currents are present at the High Voltage Rectifier. It is very dangerous to work near this part when the oven is on. NEVER make any voltage measurements at the High Voltage circuits, including the magnetron filament .*

WARNING: *Even when the oven is not cooking, the High Voltage Rectifier has High Voltages present because of the Soft Start circuit. Isolate the oven before testing.*

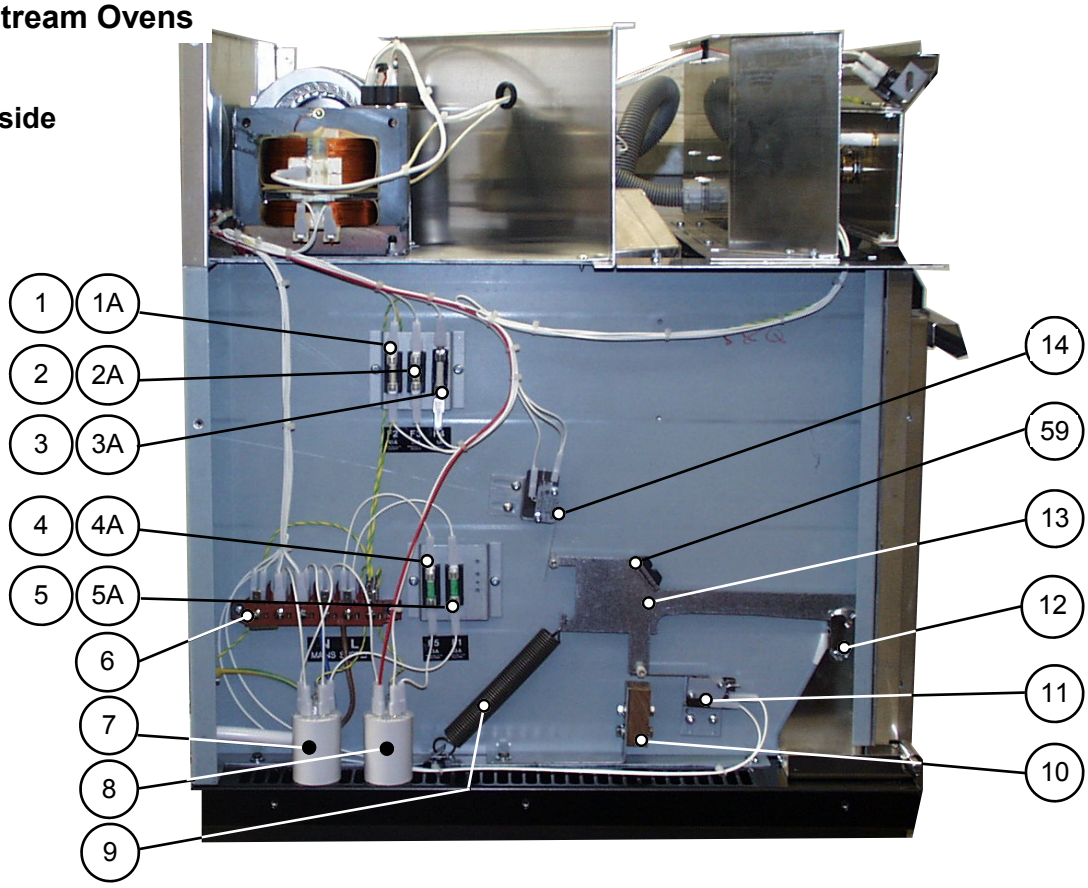
1 Isolate the oven from the mains supply.
2 Ensure that the High Voltage Capacitor is discharged before commencing work.
3 Remove all connections from the High Voltage Rectifier.
4 Using the Megger, test for continuity in both directions. Compare results with following table.

Open Circuit both ways	**FAIL**
Conducts one way only	PASS
Short Circuit both ways	**FAIL**
Conducts one way, leaks the other	**FAIL**

PRINCIPAL COMPONENTS

Mealstream Ovens

Left side

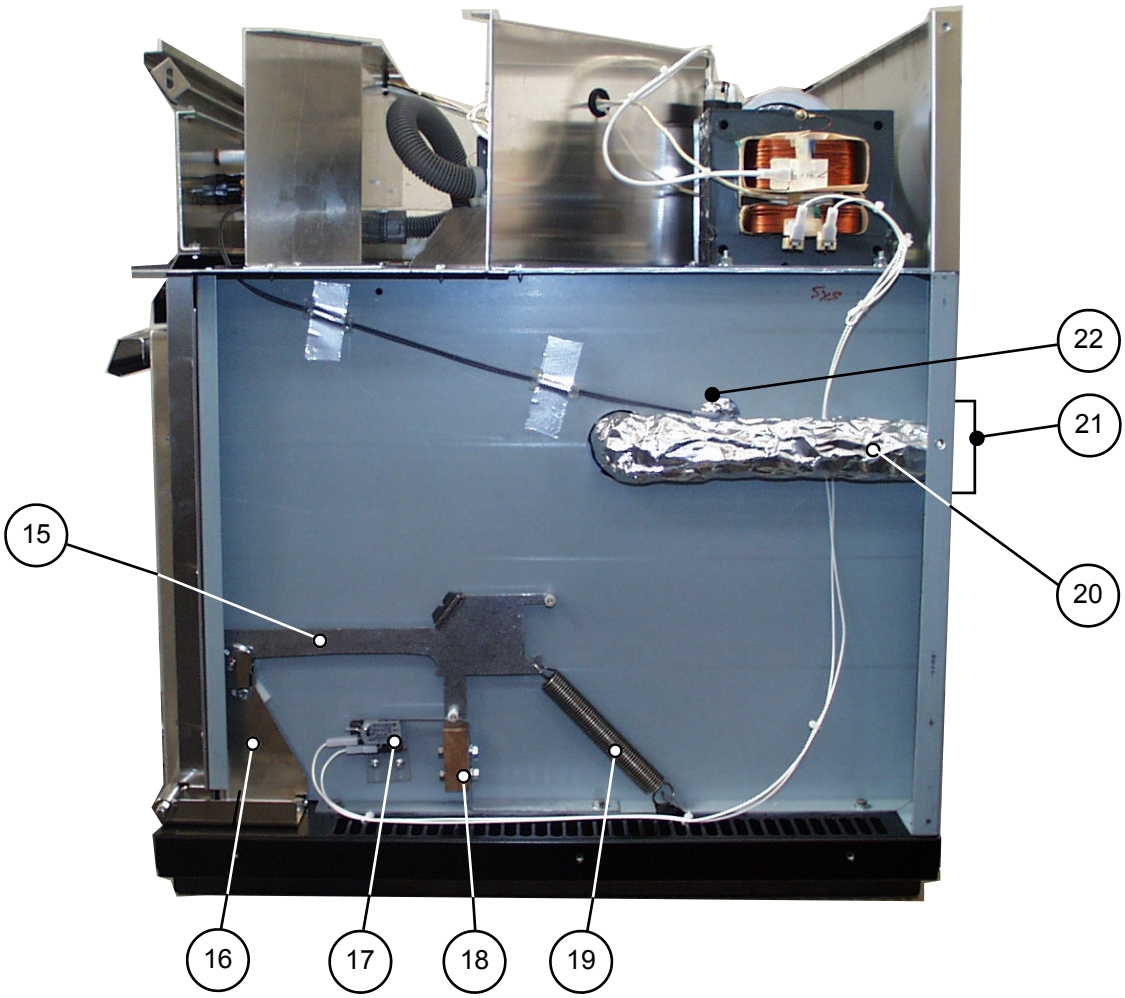


No	Description	SERIES 5	CD²
1	Fuse holder	30Z0231	30Z0231
1A	Fuse 10 amp	30Z0168	30Z0168
2	Fuse holder	30Z0231	30Z0231
2A	Fuse 10 amp	30Z0168	30Z0168
3	Fuse holder	30Z0285	30Z0285
3A	Fuse 1 amp	311008	311008
4	Fuse holder	30Z0231	30Z0231
4A	Fuse 13 amp	30Z0168	30Z0168
5	Fuse holder	30Z0231	30Z0231
5A	Fuse 13 amp	30Z0168	30Z0168
6	Mains terminal block	31Z0149	31Z0149
7	Filter (Heater circuit)	30Z0997	30Z0997
8	Filter (Microwave circuit)	30Z0997	30Z0997
9	Door spring	520000	520000
10	Door arm stop assembly	11C0279	11C0279
11	Microswitch (Primary)	30Z0240	30Z0240
12	Door hinge assembly (LH)*	11C0167	11C0167
13	Door arm assembly	11C0300	11C0300
14	Microswitch (Monitor)	30Z0240	30Z0240
59	Rubber stop	31Z1150	31Z1150

* See page 16 for parts

Principle components:

Right side

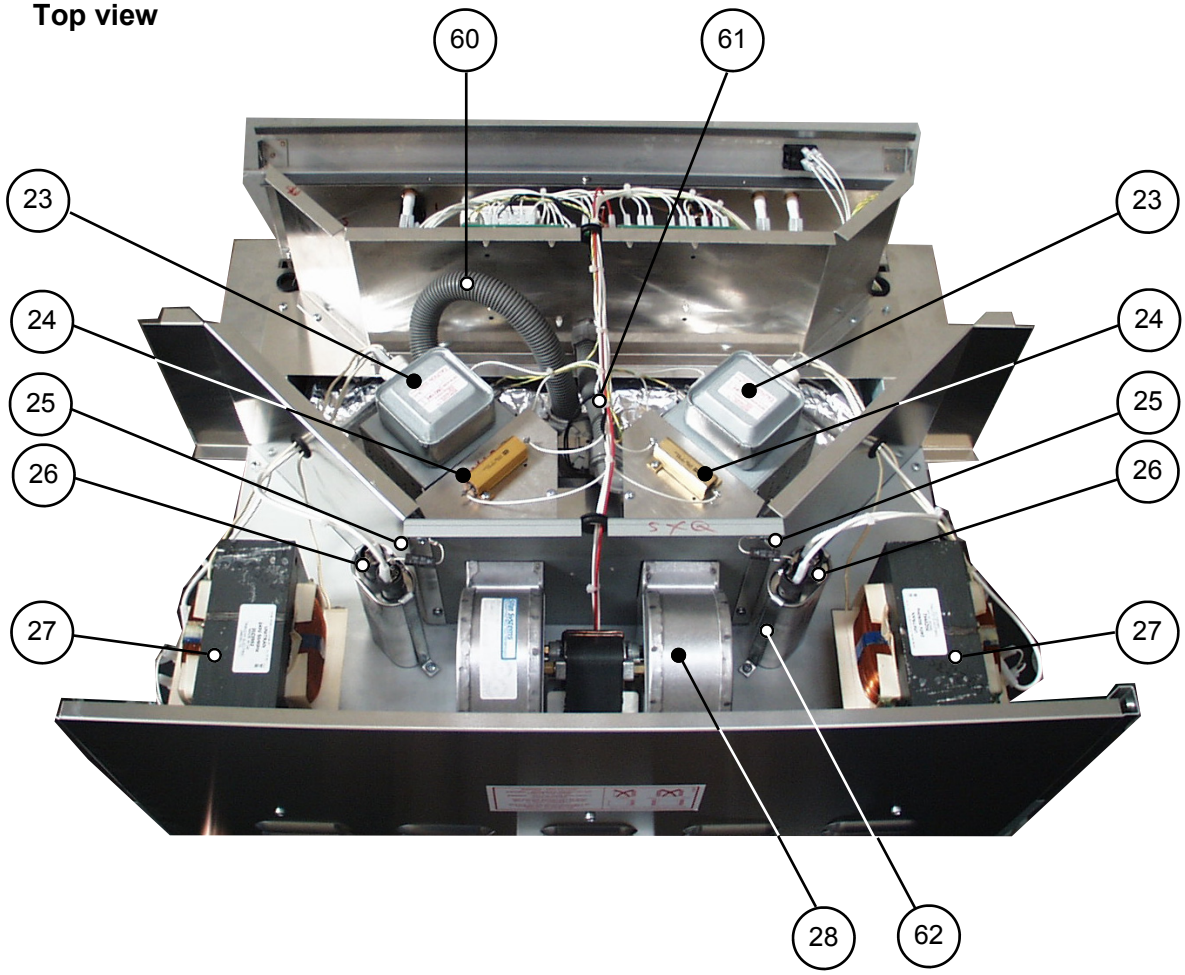


No	Description	SERIES 5	CD²
15	Door arm assembly	11C0300	11C0300
16	Door hinge assembly (RH)*	11C0166	11C0166
17	Microswitch (Secondary)	30Z0240	30Z0240
18	Door arm stop assembly	11C0279	11C0279
19	Door spring	520000	520000
20	Steam pipe	790046	790046
21	Steam vent guard	790061	790061
22	Temperature sensor	50E123	50E123

*See page 16 for parts

Principle components:

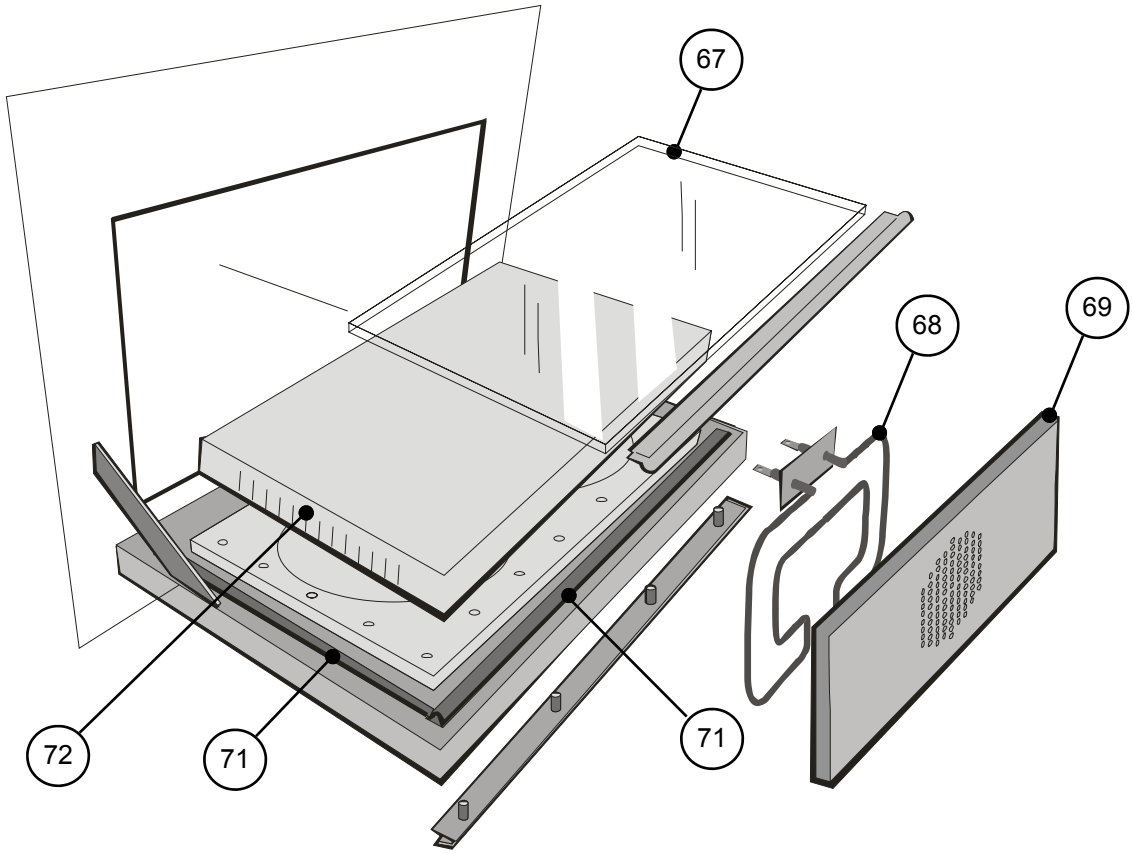
Top view



No	Description	SERIES 5	CD²
23	Magnetron	30Z0264	30Z0264
24	Resistor 470 R	31Z0121	31Z0121
25	HT diode	30Z0246	31Z0246
26	Capacitor 1.1 µf	30Z0861	30Z0861
27	Transformer	30Z0992	30Z0992
28	Twin blower motor	310110	310110
60	25mm OD Flexible conduit	314402	314402
61	20mm OD Flexible conduit	314401	314401
62	Capacitor clip	31Z0175	31Z0175

Principle components:

Door, roof & heater element

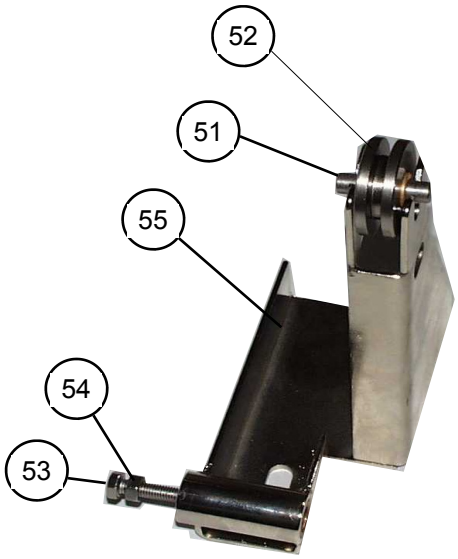


No	Description	CTM5.5	CD2
67	Stirrer glass	40C0954	40C0954
68	Heater element	40C0948	790063
69	Element cover plate	790047	790047
70	Baffle (2 No.)	11C0311	11C0311
71	Door seal kit	11C0261	11C0261
72	Door choke	790007	790007

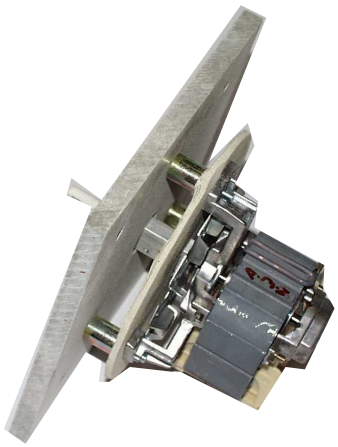
Principle components: (not shown in main views)

Door hinge assembly (Left hand shown)

No.		All models
49	Right Hand Assembly	11C0166
50	Left Hand Assembly	11C0167
51	Pin	790027
52	Roller	40C0752
53	Bolt	101825
54	Nut	80X7003
55	LH Hinge bracket	790024
56	RH Hinge bracket (not shown)	790025

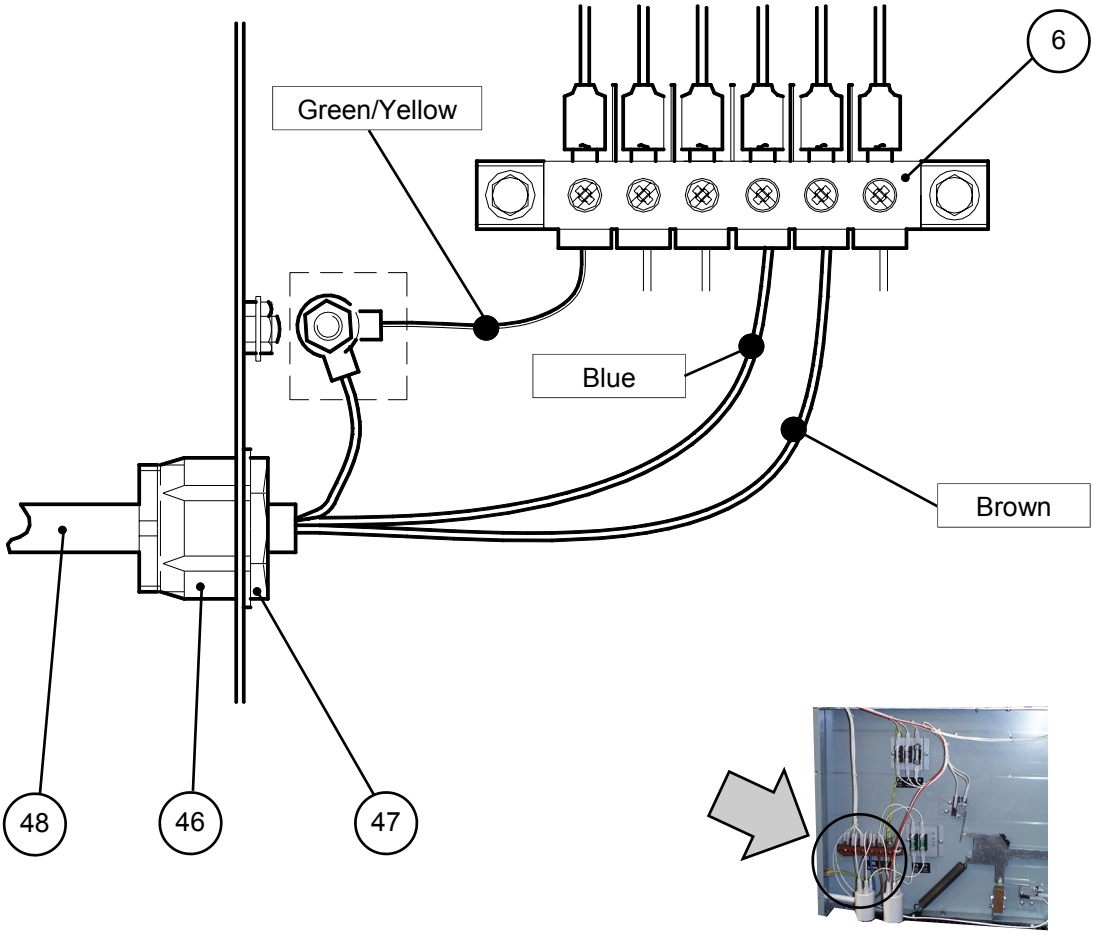


No.	Description	Series 5	CD2
57	Hot air motor	11C0312	11C0161



No.	Description	All models
58	Stirrer motor assembly	11C0162

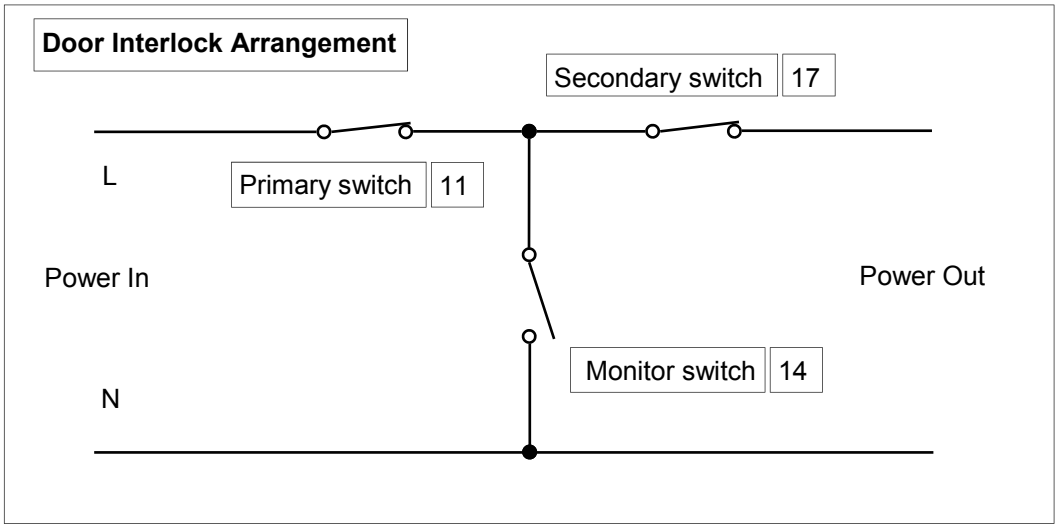
INPUT WIRING DETAILS



No	Description	SERIES 5	CD²
6	Mains Terminal Block	31Z0149	31Z0149
46	Cable Gland	31Z1070	31Z1070
47	Gland Nut	31Z1082	31Z1082
48	Mains Cable 3 Core	31Z0148	31Z0148

Door Interlock Operation

The door on the Mealstream oven is monitored by three microswitches. These are used in the conventional “Primary, Secondary and Monitor” switch arrangement shown below.
The switches operate as follows:

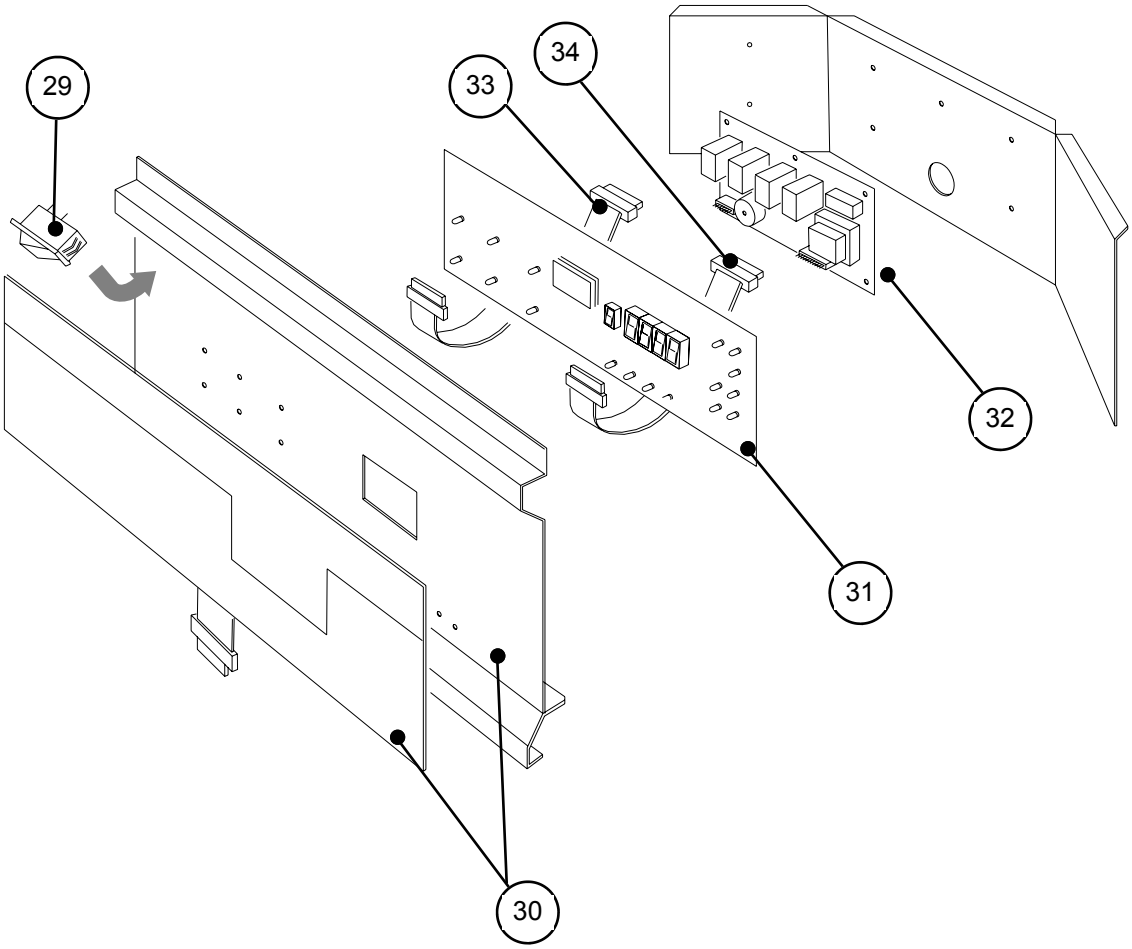


1. **Primary Interlock [11 , Bottom left-hand]**
   The Primary switch will cut off the microwave emissions from the oven when the door is opened by breaking the mains supply circuit to the transformers.

2. **Monitor [14 ,Top left-hand Side] and**
   Secondary Interlock [17 , Bottom right-hand] Switches.
   Operate simultaneously.
   The Monitor switch will produce a short circuit across the mains supply if the Primary interlock switch is faulty, thus blowing the microwave fuse and rendering the oven inoperative.
   The Secondary interlock switch will cut off the microwave emission if the other switches have failed.

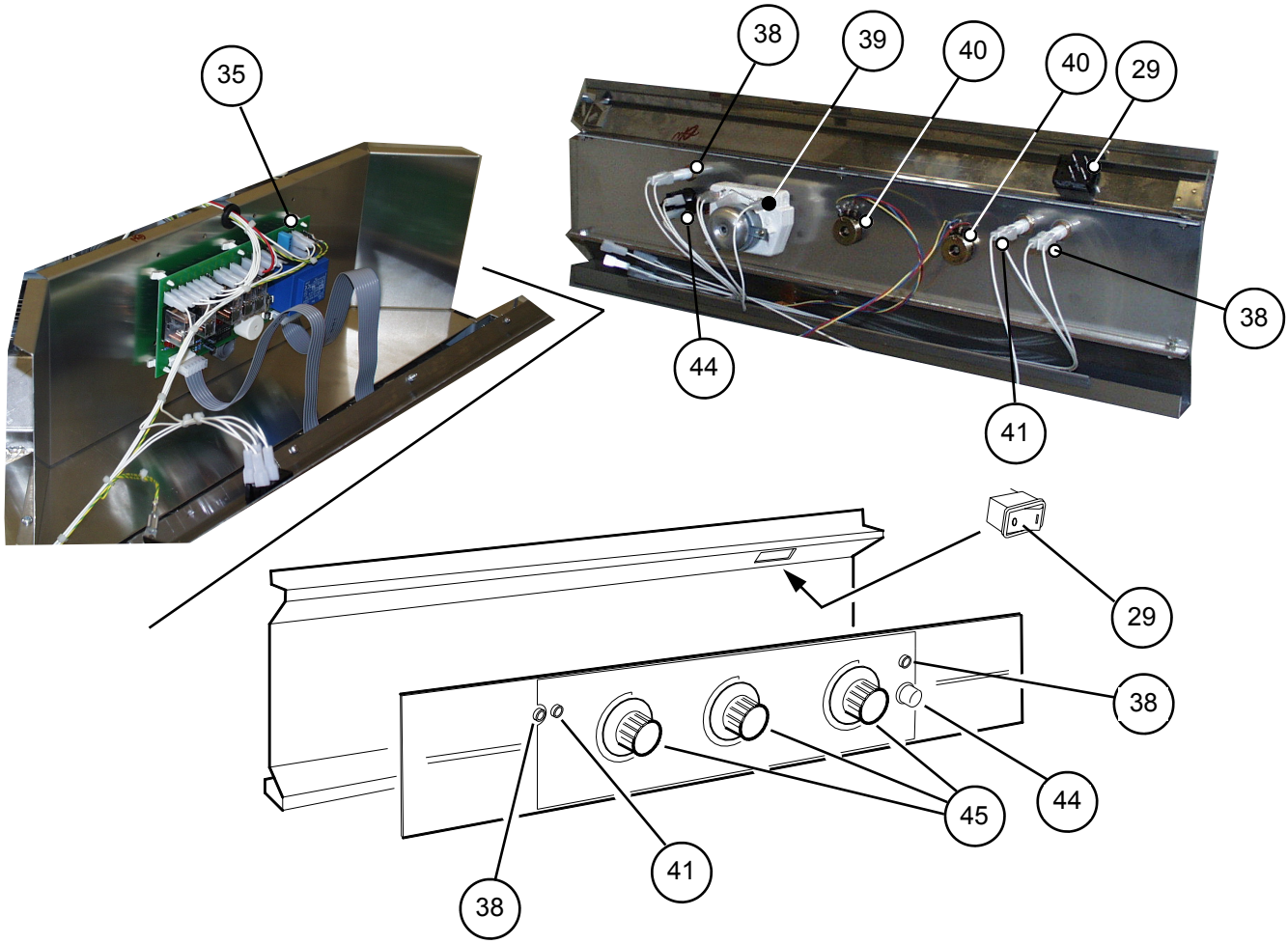
   Note:
   If operation of the Monitor switch has caused the Microwave Fuse to blow, the Primary and Monitor microswitches must be changed, as they may have been damaged by the high short-circuit currents involved.

Electronic Control Panel Assembly: Mealstream Series 5



No	Description	Series 5
29	On/Off Switch	30Z0503
30	Control Panel Assembly	11C0294
31	Logic Board	11C0213
32	Relay Board	11C0212
33	AC Ribbon connector	11M0116
34	DC Ribbon connector	11M0117

Manual Control Panel Assembly: Mealstream CD²



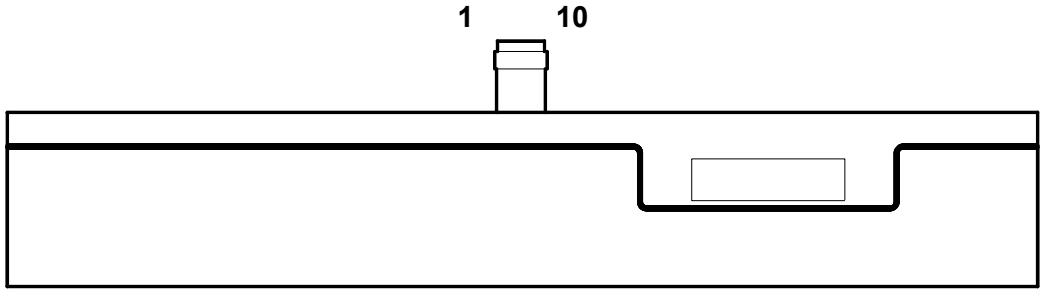
No	Description	CD²
35	PCB Assembly	11C0295
36	ac voltage connector 6 way	11M0116
37	dc voltage connector 10 way	11M0117
38	Red Neon	316030
39	Timer	30Z0991
40	Potentiometer 5k	40C0892
41	Amber Neon	316031
29	On /off switch	30Z0503
43	Panel assembly	11C0309
44	Pushbutton	31Z0349
45	Timer knob	11C0406

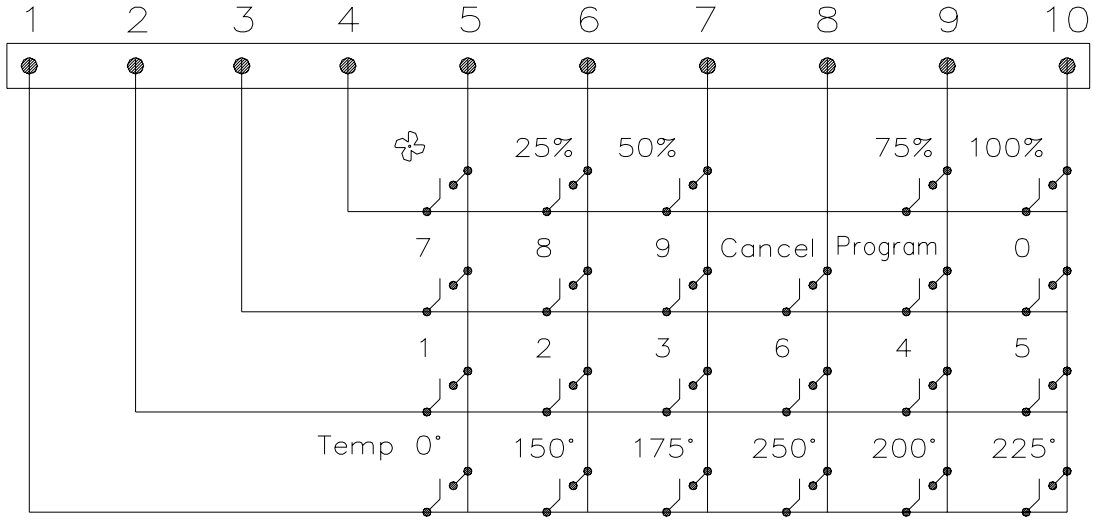
Membrane Panel Circuit

You will need:

A Digital Multi-meter (D.M.M.)

1. Isolate the oven from the mains supply.
2. Remove the Logic Assembly from the Control Panel Housing.
3. Unplug the membrane “tail” from the Logic PCB Assy.
4. Using a D.M.M., check for continuity between the correct terminals when the pads are pressed.
5. When the panel has been tested, re-assemble and re-test the control housing.





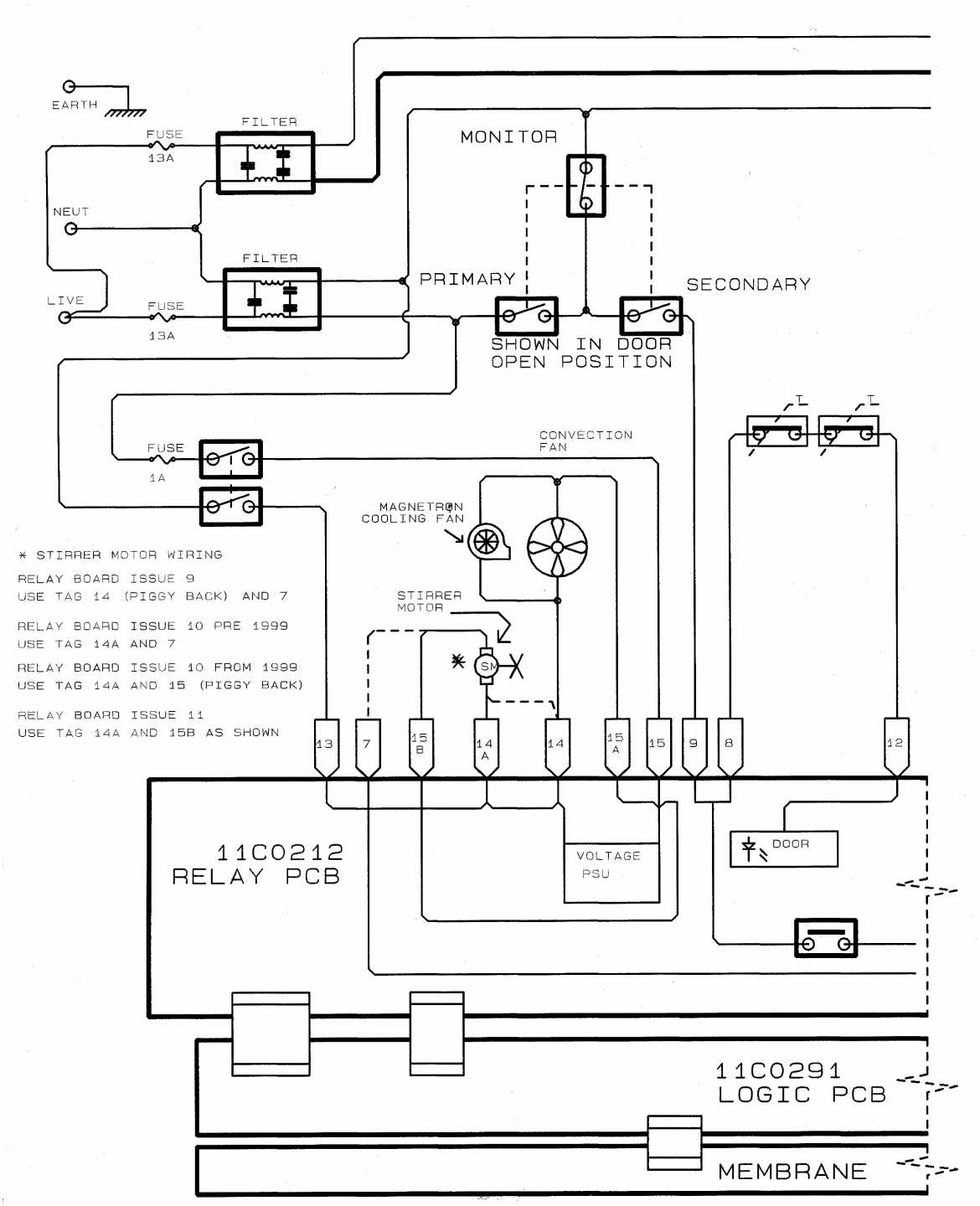
Part Number Identification Chart: Mealstream series ovens

No	Description	SERIES 5		CD²	
		Part No	Page No	Part No	Page No
1	Fuse holder	30Z0231	13	30Z0231	13
1a	Fuse 10 amp	30Z0168	13	30Z0168	13
2	Fuse holder	30Z0231	13	30Z0231	13
2a	Fuse 10 amp	30Z0168	13	30Z0168	13
3	Fuse holder	30Z0285	13	30Z0285	13
3a	Fuse 1 amp	311008	13	311008	13
4	Fuse holder	30Z0231	13	30Z0231	13
4a	Fuse 13 amp	30Z0168	13	30Z0168	13
5	Fuse holder	30Z0231	13	30Z0231	13
5a	Fuse 13 amp	30Z0168	13	30Z0168	13
6	Mains terminal block	31Z0149	13/18	31Z0149	13/18
7	Filter (Heater circuit)	30Z0997	13	30Z0997	13
8	Filter (Microwave circuit)	30Z0997	13	30Z0997	13
9	Door spring	520000	13	520000	13
10	Door arm stop assembly	11C0279	13	11C0279	13
11	Microswitch (Primary)	30Z0240	13	30Z0240	13
12	Door hinge assembly (LH)	11C0167	13	11C0167	13
13	Door arm assembly	11C0300	13	11C0300	13
14	Microswitch (Monitor)	30Z0240	13	30Z0240	13
15	Door arm assembly	11C0300	14	11C0300	14
16	Door hinge assembly (RH)	11C0166	14	11C0166	14
17	Microswitch (Secondary)	30Z0240	14	30Z0240	14
18	Door arm stop assembly	11C0279	14	11C0279	14
19	Door spring	520000	14	520000	14
20	Steam pipe	790046	14	790046	14
21	Steam vent guard	790061	14	790061	14
22	Temperature sensor	50E123	14	50E123	14
23	Magnetron	30Z0264	15	30Z0264	15
24	Resistor 470 R	31Z0121	15	31Z0121	15
25	HT diode	30Z0246	15	31Z0246	15
26	Capacitor 1.1 µf	30Z0861	15	30Z0861	15
27	Transformer	30Z0992	15	30Z0992	15
28	Twin blower motor	30Z1067	15	30Z1067	15

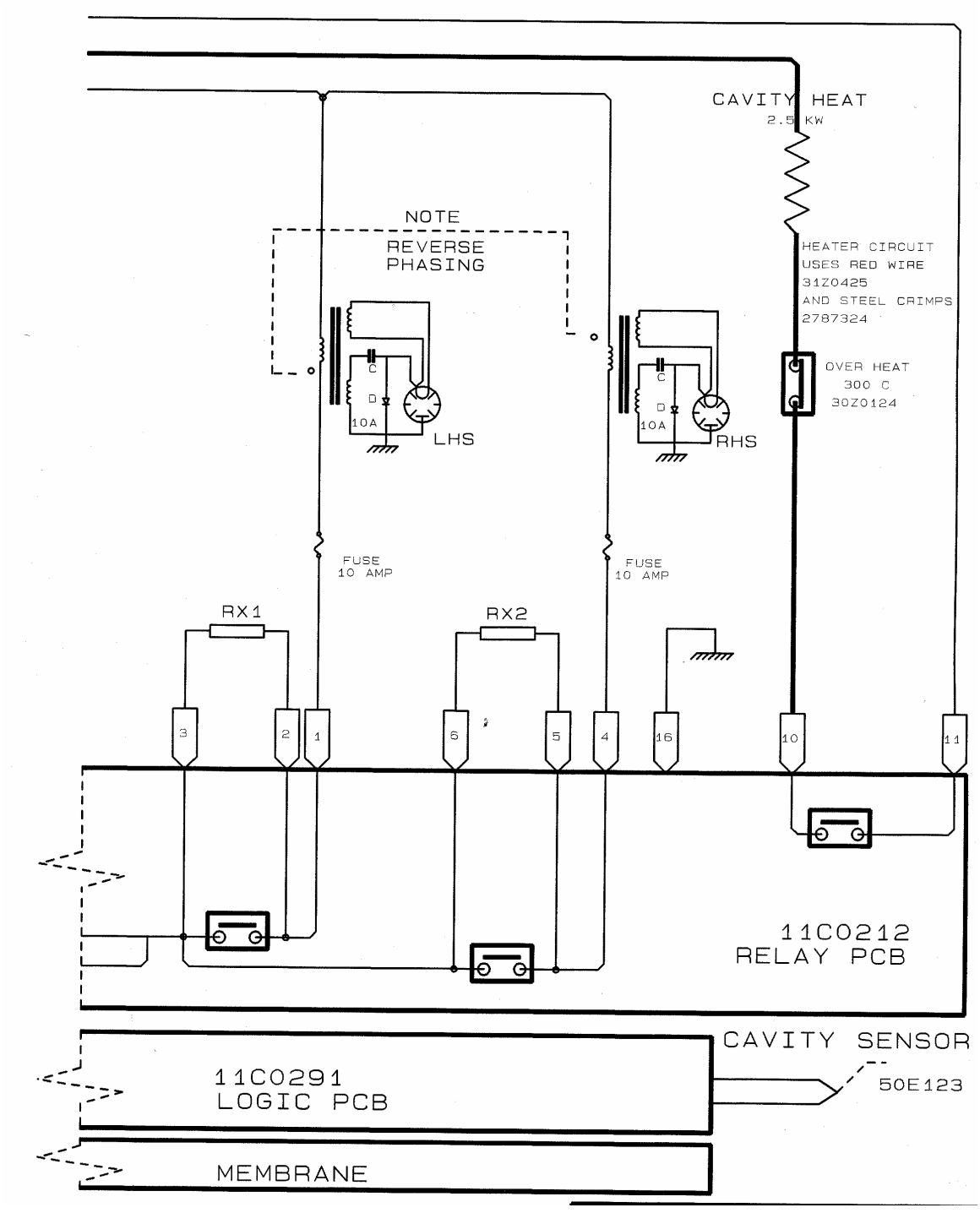
Part Number Identification Chart: Mealstream series ovens

No	Description	SERIES 5		CD²	
		Part No	Page No	Part No	Page No
29	On/Off Switch	30Z0503	20		
30	Control Panel Assembly	11C0310	20	———	———
31	Logic Board	11C0213	20	———	———
32	Relay Board	11C0212	20	———	———
33	AC Ribbon connector	11M0116	20	———	———
34	DC Ribbon connector	11M0117	20	———	———
35	PCB Assembly	———	———	11C0295	21
36	ac voltage connector 6 way	———	———	11M0116	21
37	dc voltage connector 10 way	———	———	11M0117	21
38	Red Neon	———	———	316030	21
39	Timer	———	———	30Z0991	21
40	Potentiometer 5k	———	———	40C0892	21
41	Amber Neon	———	———	316031	21
43	Panel assembly	———	———	11C0309	21
44	Pushbutton	———	———	31Z0349	21
45	Timer knob	———	———	11C0406	21
46	Cable Gland	31Z1070	18	31Z1070	18
47	Gland Nut	31Z1082	18	31Z1082	18
48	Mains Cable 3 Core	31Z0148	18	31Z0148	18
49	Right Hand Assembly	11C0166	17	11C0166	17
50	Left Hand Assembly	11C0167	17	11C0167	17
51	Pin	790027	17	790027	17
52	Roller	40C0752	17	40C0752	17
53	Bolt	101825	17	101825	17
54	Nut	80X7003	17	80X7003	17
55	LH Hinge bracket	790024	17	790024	17
56	RH Hinge bracket	790025	17	790025	17
57	Hot air motor	11C0312	17	11C0161	17
58	Stirrer motor assembly	11C0162	17	11C0162	17
59	Rubber stop	31Z1150	13	31Z1150	13
60	25mm OD Flexible conduit	314402	15	314402	15
61	20mm OD Flexible conduit	314401	15	314401	15
62	Capacitor clip	31Z0175	15	31Z0175	15
67	Stirrer glass	40C0954	16	40C0954	16
68	Heater element	40C0948	16	790063	16
69	Element cover plate	790047	16	790047	16
70	Baffle (2 No.)	11C0311	16	11C0311	16
71	Door seal kit	11C0261	16	11C0261	16
72	Door choke	790007	16	790007	16

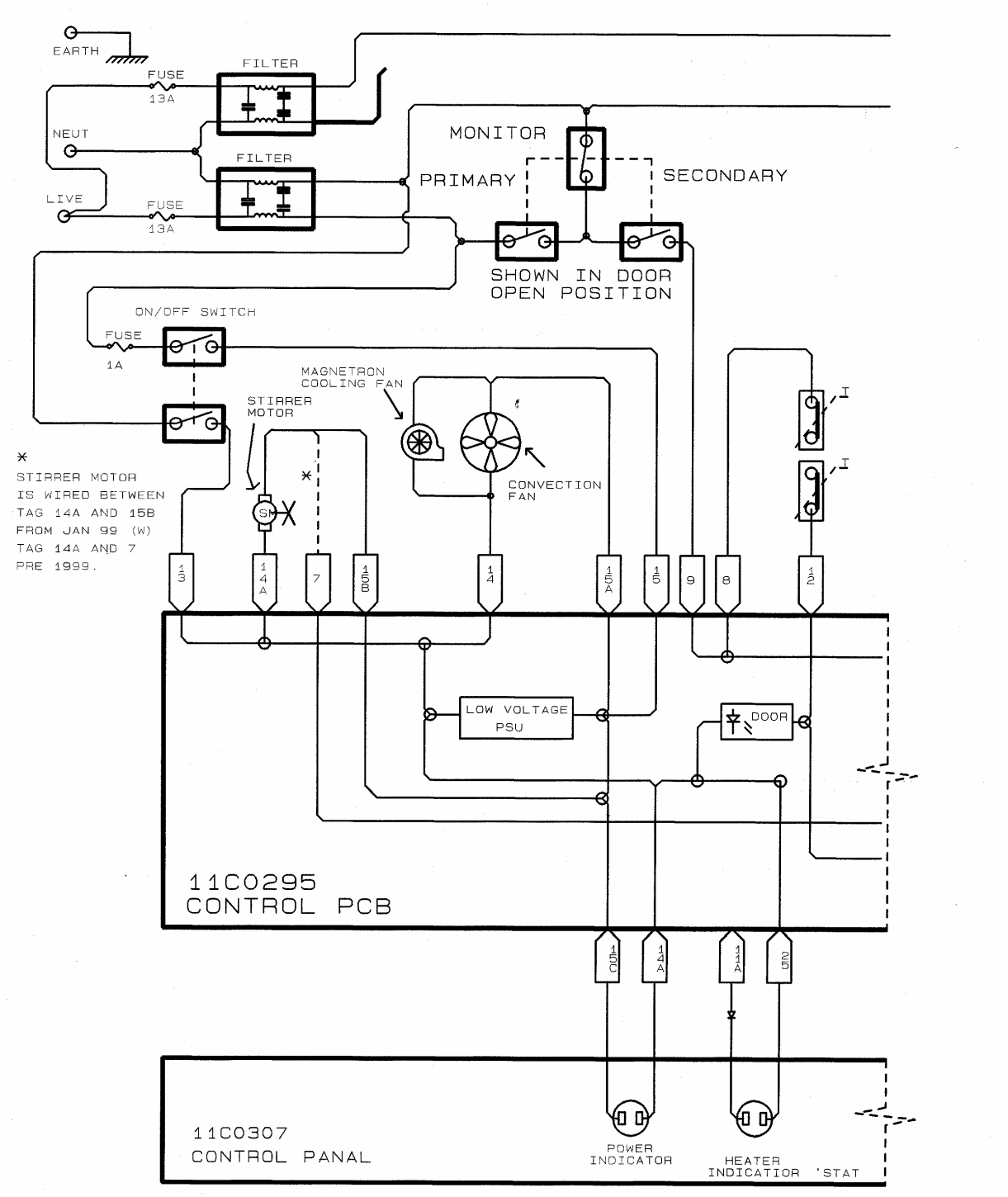
CIRCUIT DIAGRAM: Series 5 Part 1



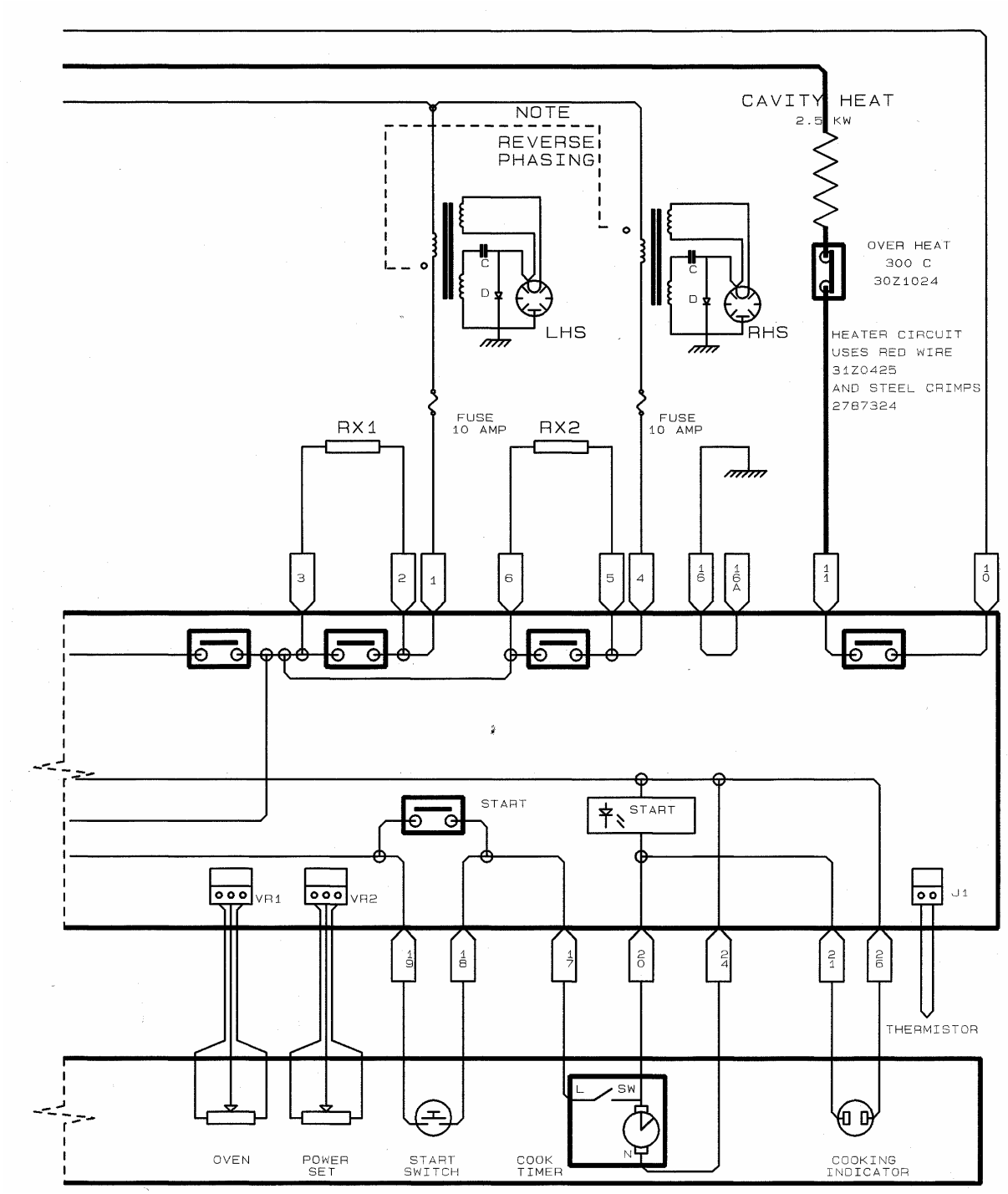
CIRCUIT DIAGRAM: Series 5 Part 2



CIRCUIT DIAGRAM: CD2 Part 1



CIRCUIT DIAGRAM: CD2 Part 2



Manual Corrections and Modifications

Whilst every effort has been made to ensure that the information contained in this manual is accurate and complete, if you believe that an error has been made, or if you have any suggestions for how the manual could be improved, please fill in and return this form. A review of any forms returned will be made on a regular basis, and the manual will be updated if required.

Name
Address
Page on which error occurs (if applicable) - **Mealstream**
Description of error
Suggestion for improvement to manual
Please return this form to: Engineering Department Merrychef Ltd Station Road West Ash Vale Aldershot Hampshire GU12 5XA Or Fax it on: +44 (0) 1252 371007